

## ABSTRACT

A SINR measuring section 108 measures a ratio between a desired signal and an interference signal based on an output signal of an A/D converter 104 and an output signal of an interference canceller 108. An absolute electric field intensity calculator 111 calculates absolute electric field intensity of a desired signal based on said ratio between the desired signal and the interference signal and electric field intensity of said received signal.

A determination section 112 determines the relationship between absolute electric field intensity of said desired signal and a preset target object in terms of the valve large and small. A gain coefficient calculator 113 calculates a gain coefficient based on the determination result of the determination section 112, and controls a gain of an AGC section 103. This makes it possible to perform AGC accurately and to prevent deterioration of reception quality.

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